

Notice of Allowability

Application No.

09/659,900

Examiner

Kevin Mew

Applicant(s)

PARK ET AL.

Art Unit

2664

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 7/21/2005.
2. ☒ The allowed claim(s) is/are 1, 4-8, 11, 15-18, 22-25, 29-31, 35-37 which have been renumbered as claims 1-21, respectively.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

Detailed Action

Response to Amendment

1. Applicant's arguments filed on 7/21/2005 regarding claims 1, 4-8, 11, 15-18, 22-25, 29-31, 35-37 have been fully considered. Claims 2-3, 9-10, 12-14, 19-21, 26-28, 32-34 have been canceled by the applicant.

EXAMINER'S STATEMENT OF REASONS FOR ALLOWANCE

2. The following is an examiner's statement of reasons for allowance:

The present application relates to providing a call processing method in an asynchronous mobile communication system that comprises the unique steps of:

- "a) setting up the call in case a calling generated in the mobile station;
 - b) establishing a channel between the asynchronous mobile station and the asynchronous radio network;
 - c) handling basic information for assigning a radio resource;
 - d) performing a cipher establishment;
 - e) establishing the radio resource;
 - f) performing a configuration for a service; and
 - g) transmitting a phone call stand-by message to a user.
- wherein the step a) includes the steps of:
- al) transmitting the calling call message generated in the CC entity of the asynchronous mobile station, to the RRC of the asynchronous mobile station;

a2) requesting the RRC of the asynchronous radio network of a connection, through a common control channel (CCCH); and

a3) transmitting a connection completion message and information of a dedicated control channel (DCCH), through the CCCH, to the asynchronous mobile station, after receiving the request of the connection,

wherein step b) includes the steps of:

b1) establishing the DCCH that the asynchronous mobile station is required to use, based on the information of the DCCH received from the asynchronous radio network;

b2) transmitting information of the asynchronous mobile station capability, through the DCCH, to the asynchronous radio network;

b3) receiving a confirmation response of the information of the asynchronous mobile station capability from the asynchronous radio network; and

b4) transmitting the calling call message, through the DCCH, to the asynchronous radio network.”

The closet prior art, Introduction to GSM” (XP-002199834), discloses a method to establish a call connection over the radio interface in a GSM network that comprises mobility management, call control, and radio resource control functions. However, the prior art fails to anticipate or render obvious the above quoted limitations of the present application. This renders the claims allowable.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin Mew whose telephone number is 571-272-3141. The examiner can normally be reached on 9:00 am - 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wellington Chin can be reached on 571-272-3134. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



WELLINGTON CHIN
SUPERVISORY PATENT EXAMINER